

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 2000 DERWENT INFORMATION LTD

ACCESSION NUMBER: 1985-019446 [04] WPIDS

DOC. NO. CPI: C1985-008111

TITLE: Polymeric soil improver compsns. - contg. polyacrylamide
and sodium acrylate polymer.

DERWENT CLASS: A97 C03

INVENTOR(S): TILLMANNS, F

PATENT ASSIGNEE(S): (TILL-I) TILLMANNS F C

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
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DE 3344638	A	19850117 (198504)*	23				<--
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APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
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DE 3344638	A	DE 1983-3344638	19831209
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PRIORITY APPLN. INFO: DE 1983-3324267 19830706; DE 1983-3344638
19831209

INT. PATENT CLASSIF.: C05G003-04; C09K017-00

BASIC ABSTRACT:

DE 3344638 A UPAB: 19930925

Compsns. for improving soil quality by increasing the amt. of water or aq.
nutrient soln. retained by the soil in a form readily assimilable by plant
roots comprise 60-80 (esp. 70) wt.% of a nonionic polyacrylamide and 20-40
(esp. 30) wt.% of an anionic Na acrylate polymer crosslinked with 200-400
(esp. 300) ppm N, N'-methylene-bisacrylamide.

ADVANTAGE - The compsns. have high water-swellability, high water
storage and desorption capacity, and do not significantly decompose in the
soil.

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FILE SEGMENT: CPI

FIELD AVAILABILITY: AB

MANUAL CODES: CPI: A04-B; A04-D04A; A04-F04; A08-C09; A10-E21; A12-W04;
C04-C03B; C04-D02; C12-M11; C12-N08; C12-P10